

example of a widely used international standard of IR absorption parameters that provide accurate H₂O FTIR calibrations at atmospheric conditions. Field measurements should be verified to be in line with moisture saturated wet scrubber exhaust concentrations at measured temperatures. Field measurements at saturated conditions should be verified to be consistent with published water vapor pressure curves at the current stack temperatures (Perry, R.H. and D.W. Green. Perry's Chemical Engineer's Handbook (8th Edition). McGraw-Hill Publishing Company, Inc. New York, New York. 2008). For unsaturated conditions, field measurements should be verified using a single point verification of the FTIR moisture reading using Method 4 at 40 CFR part 60 appendix A, or a NIST traceable hygrometer accurate to +/- 2 percent relative humidity. The FTIR moisture reading shall agree within 10 percent of the moisture measurement obtained using Method 4 at 40 CFR part 60 appendix A or a NIST traceable hygrometer.

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TABLE I-10 TO SUBPART I OF PART 98—MAXIMUM FIELD DETECTION LIMITS APPLICABLE TO FLUORINATED GHG CONCENTRATION MEASUREMENTS FOR STACK SYSTEMS

Fluorinated GHG Analyte	Maximum field detection limit (ppbv)	Fluorinated GHG Analyte	Maximum field detection limit (ppbv)
CF ₄	20	CH ₃ F	40
C ₂ F ₆	20	CHF ₃	20
C ₃ F ₈	20	NF ₃	20
C ₄ F ₆	20	SF ₆	4
C ₅ F ₈	20	Other fully fluorinated GHGs	20
c-C ₄ F ₈	20	Other fluorinated GHGs	40
CH ₂ F ₂	40		

ppbv—Parts per billion by volume.

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